

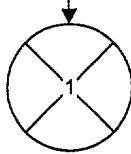
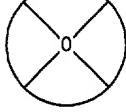
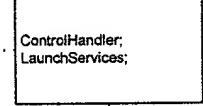
Module Main.cpp

Main.cpp_1(2)

```
/* This is the System mainline. A configuration file is read and if successful, services are started. */
```

```
Initialize Windows Sockets
```

```
Set console handlers and start ReadyNet services.
```

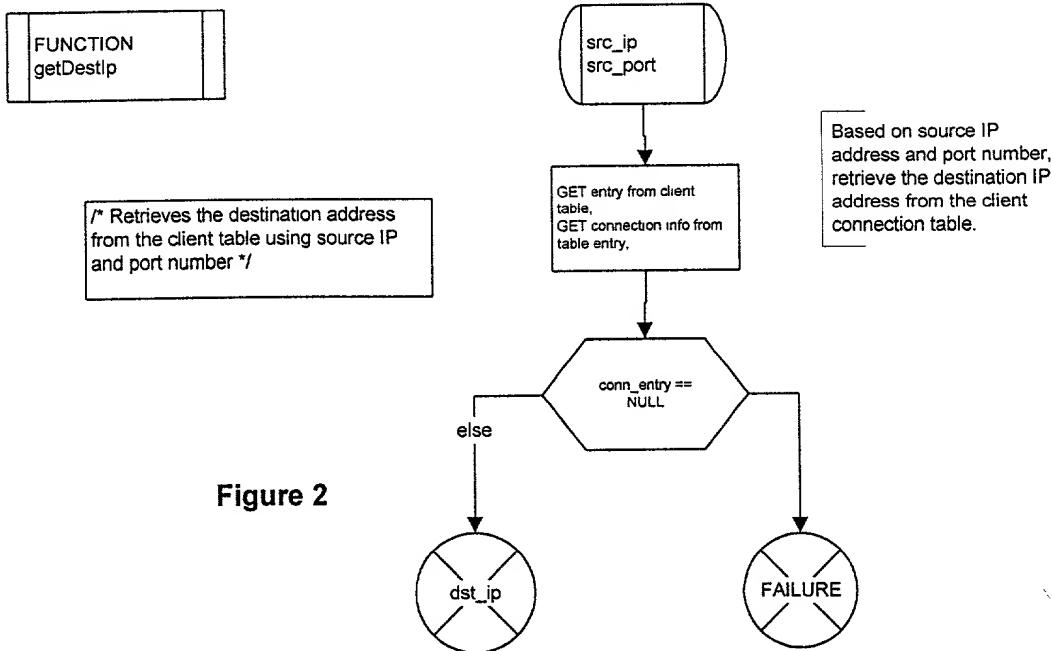


```
!ReadConfigFile
```

Figure 1

Module Handlers.cpp

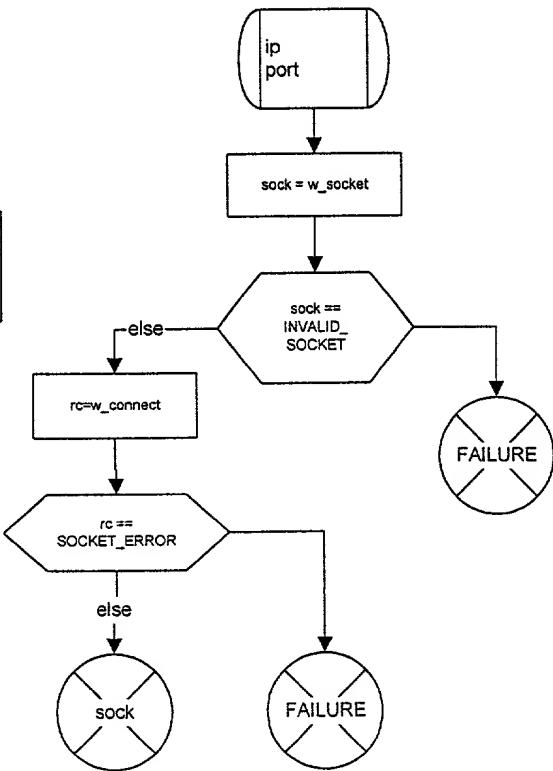
handlers.cpp_1(10)



FUNCTION connectToHost

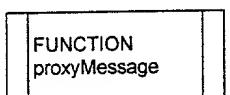
/* Uses Windows sockets to connect to a particular IP address and port */

Figure 3



Module Handlers.cpp

handlers.cpp_2(10)



/* Read data packet from the source socket and direct it to the destination socket */

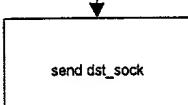
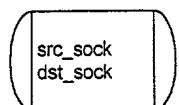
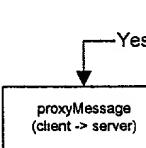
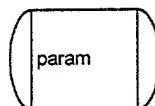


Figure 4

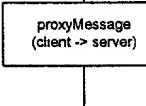


/* Checks for network traffic on the client-side and server-side and passes these messages to the call proxyMessage */



client socket event?

Yes



server socket event?

No

sockets still open?

Yes

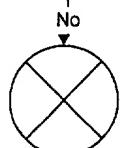


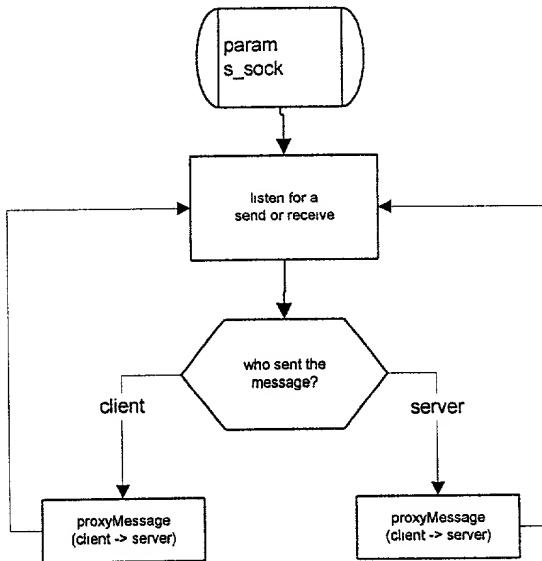
Figure 5

Module Handlers.cpp

handlers.cpp_3(10)

```
/* Listens for activity on the
appropriate socket and
determines the direction of
the data, calling
proxyMessage */
```

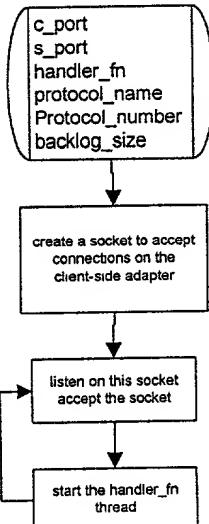
Figure 6



FUNCTION genericTCPProxy

```
/* Initialize a socket on the given
client and server ports and begin
a new thread (handler function) to
handle activity on that socket */
```

Figure 7



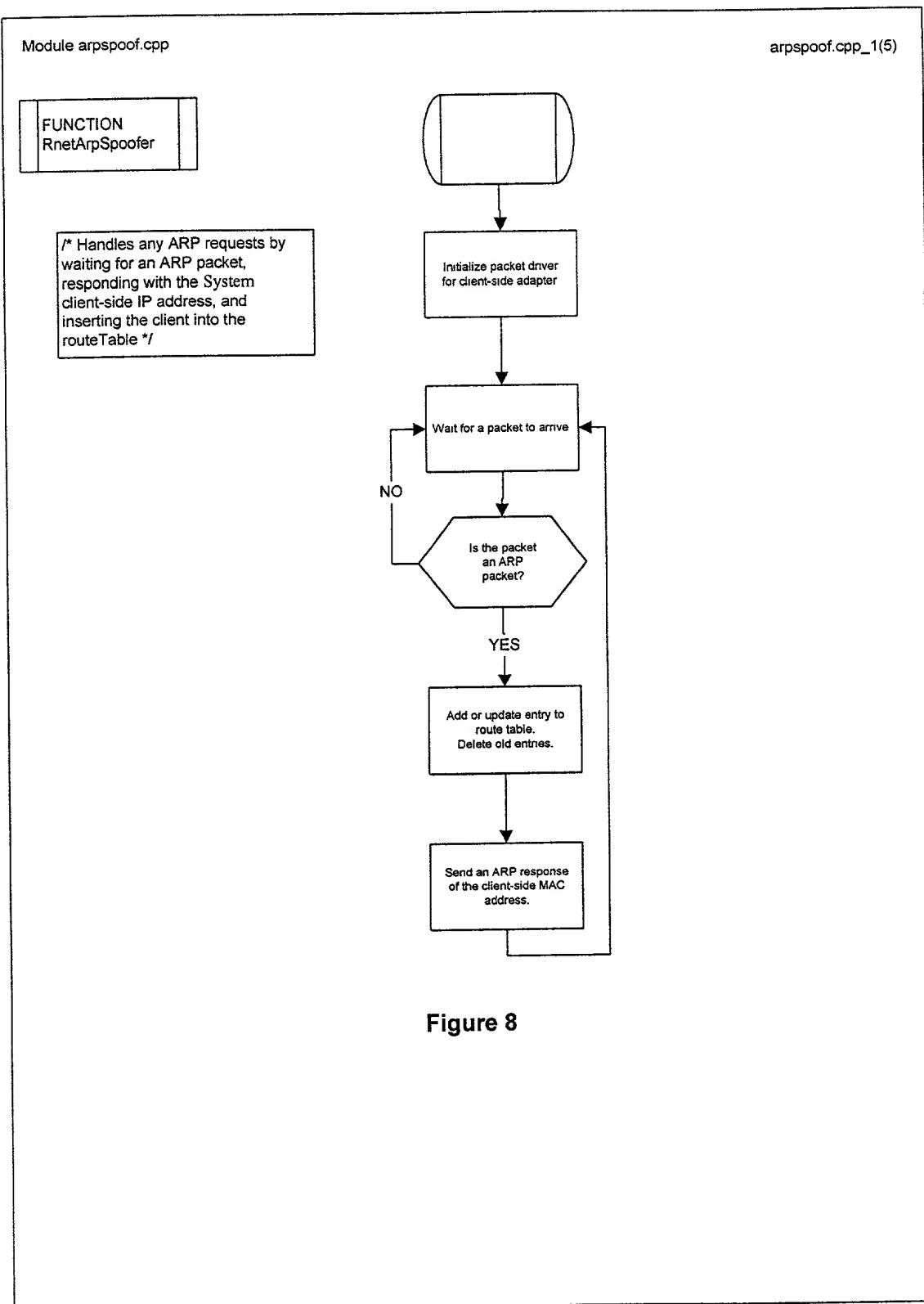
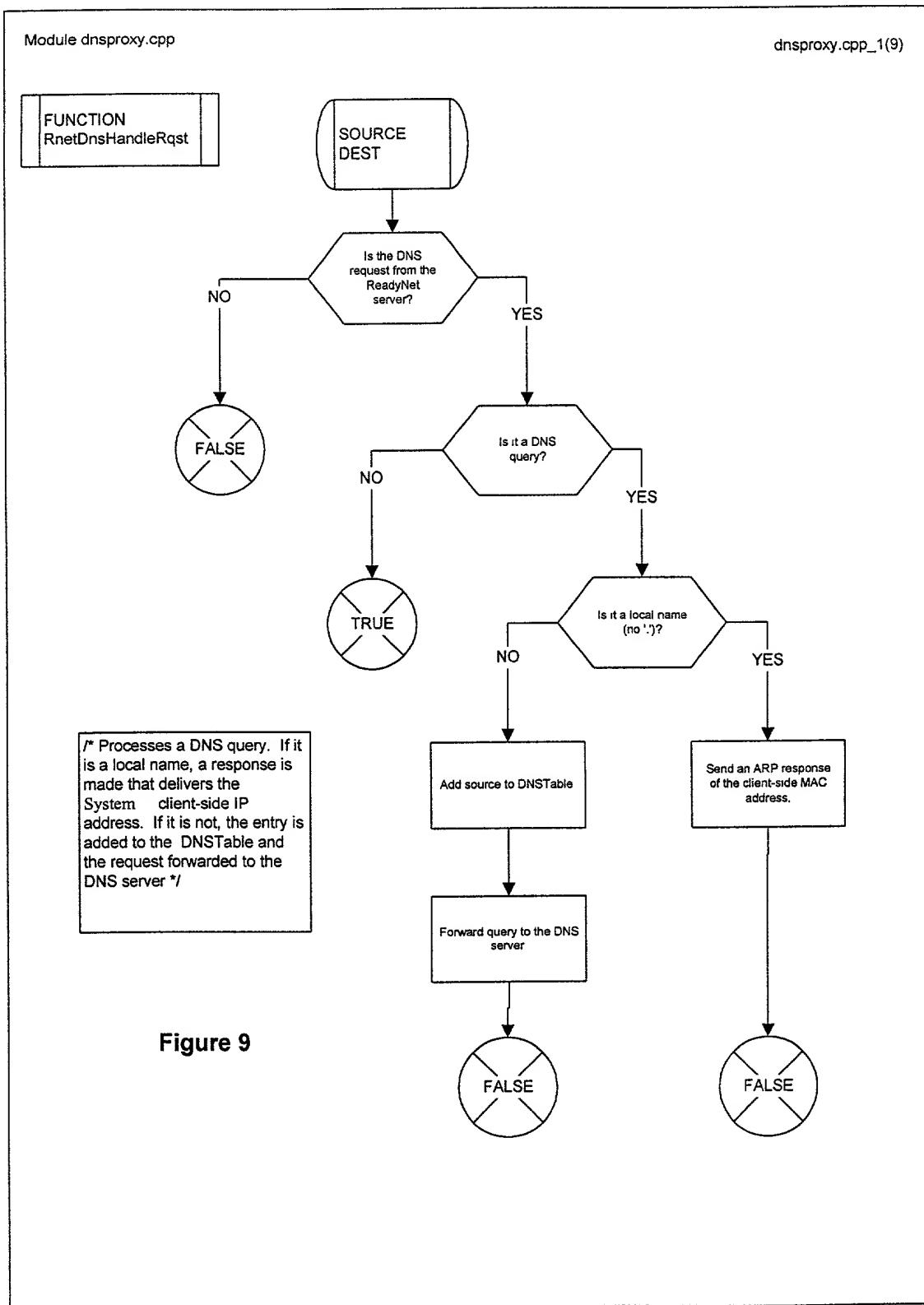


Figure 8



Module dnsproxy.cpp

dnsproxy.cpp_2(9)

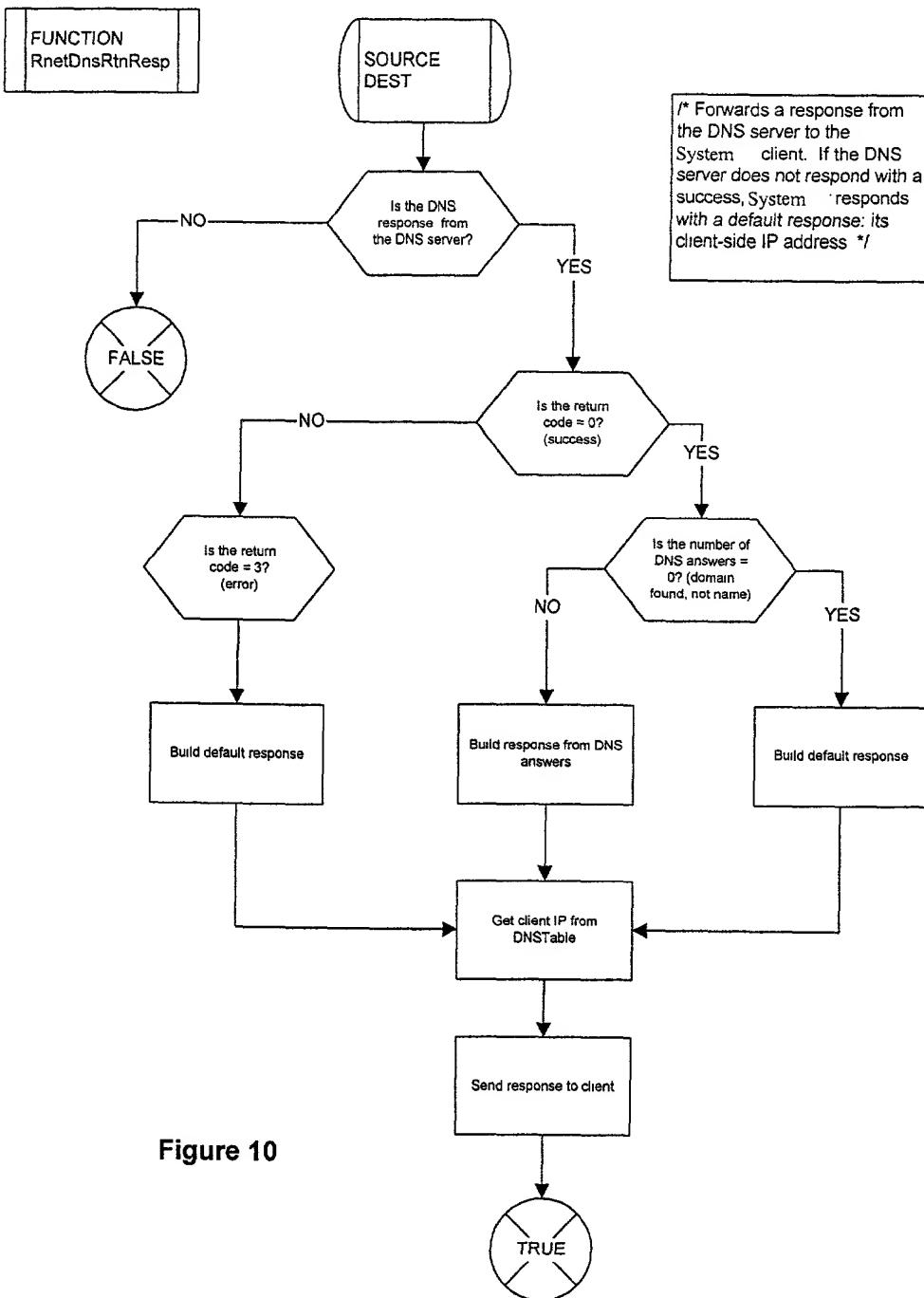
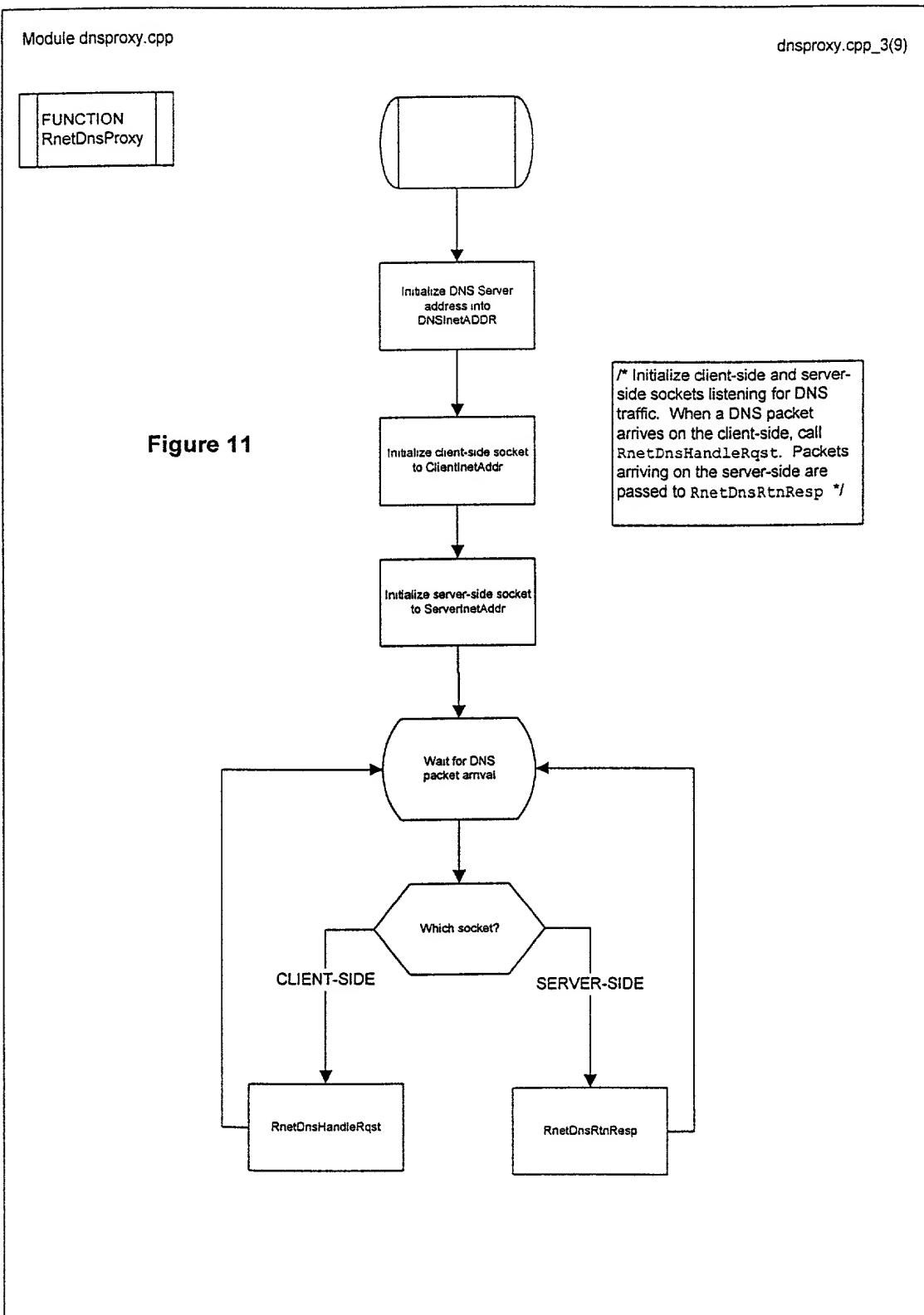


Figure 10



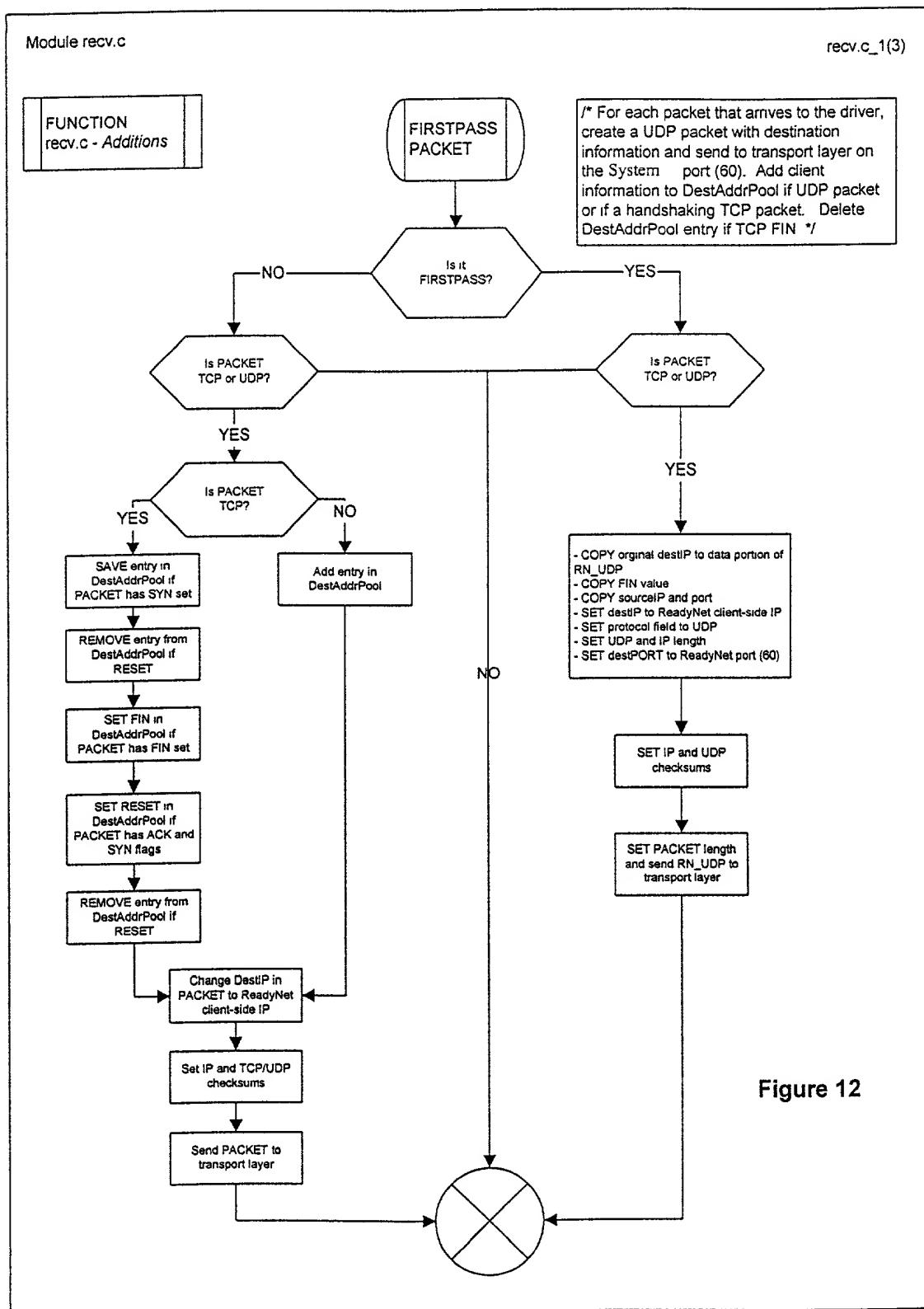
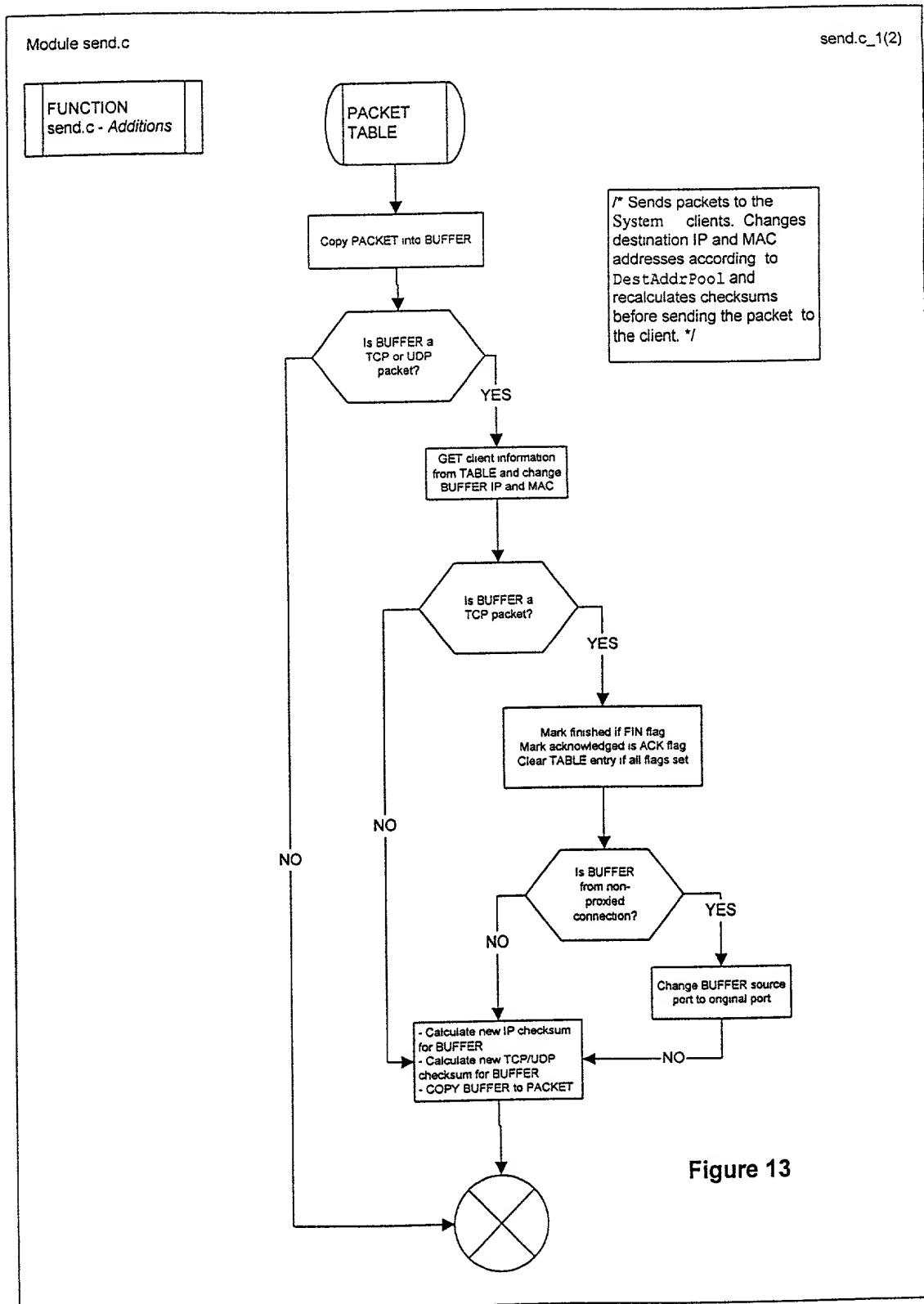


Figure 12



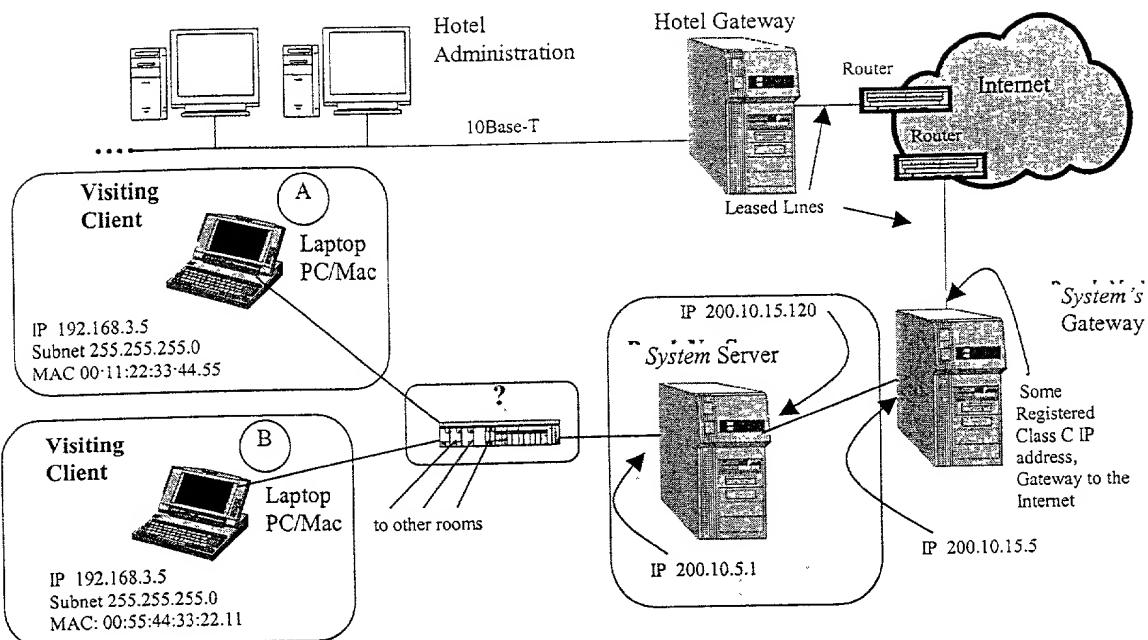


Figure 14

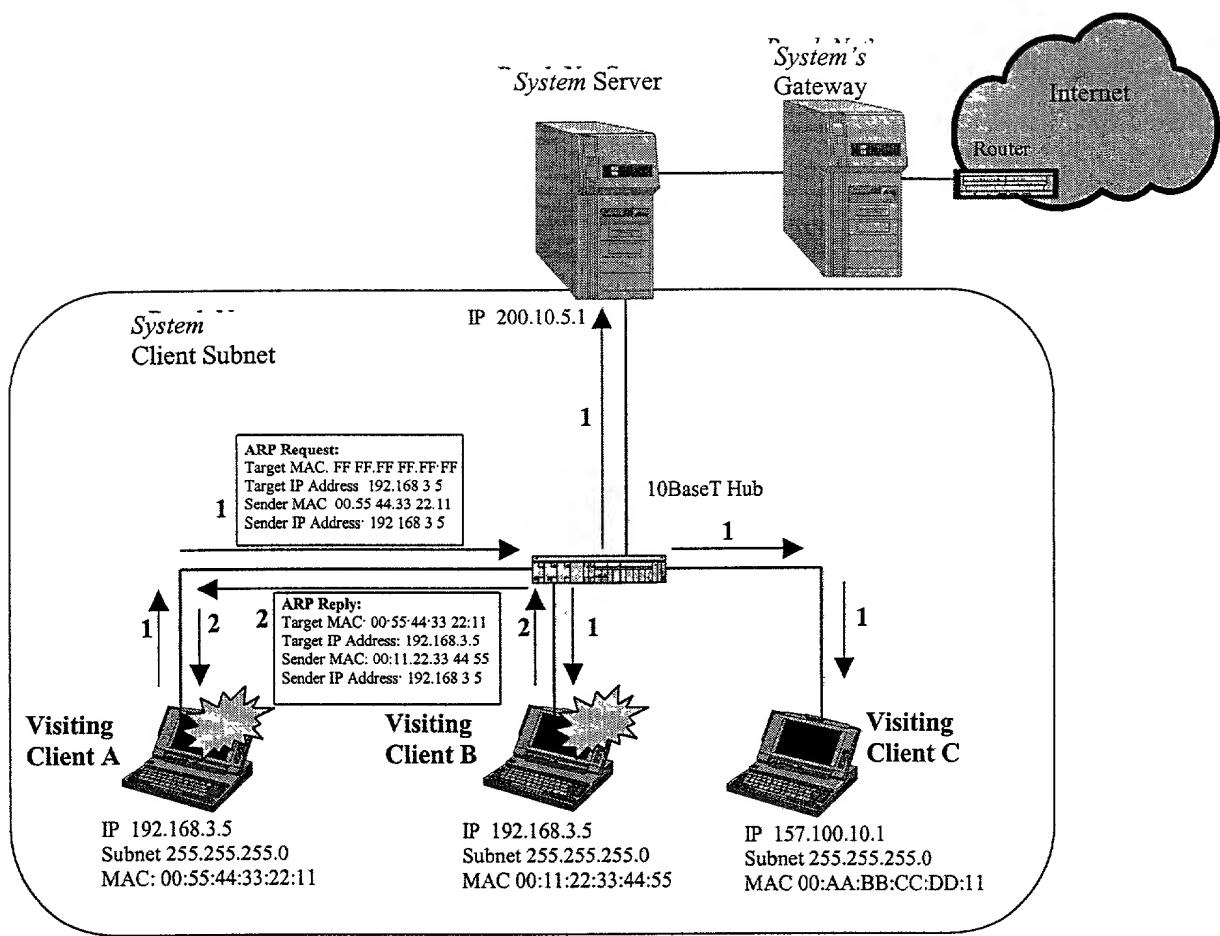


Figure 15

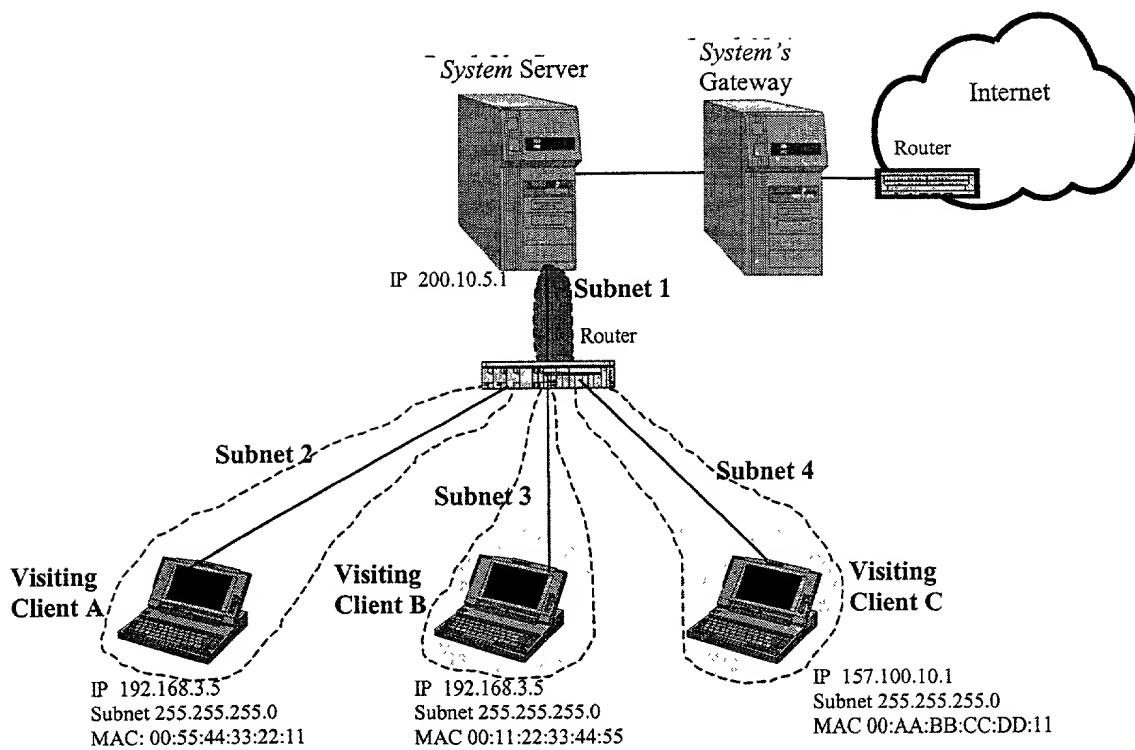


Figure 16

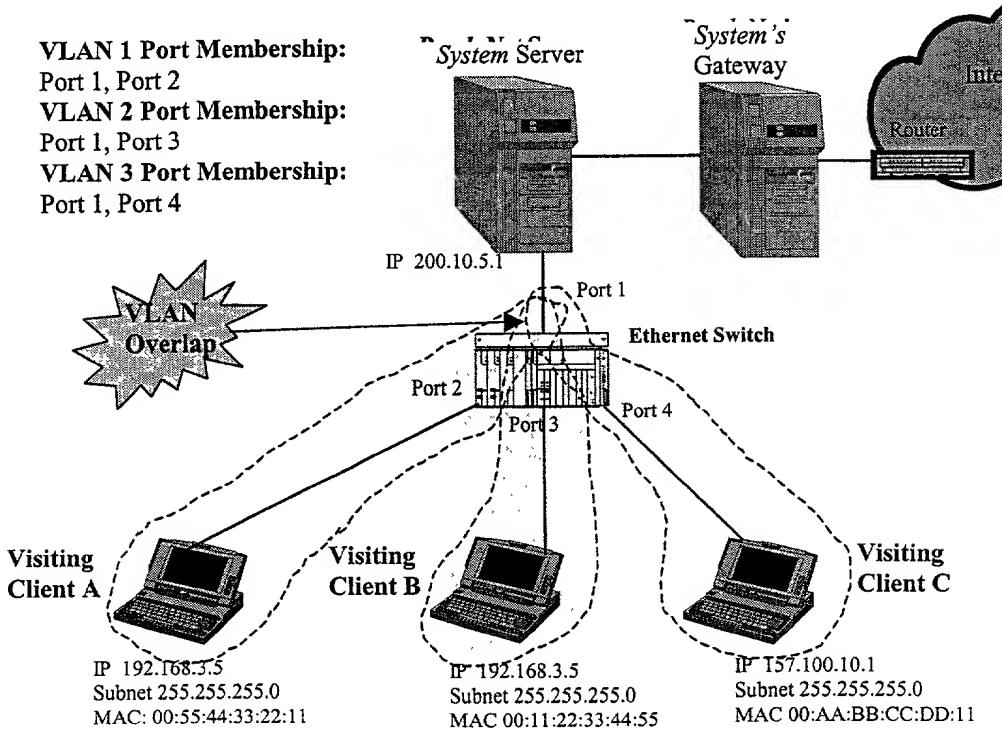


Figure 17

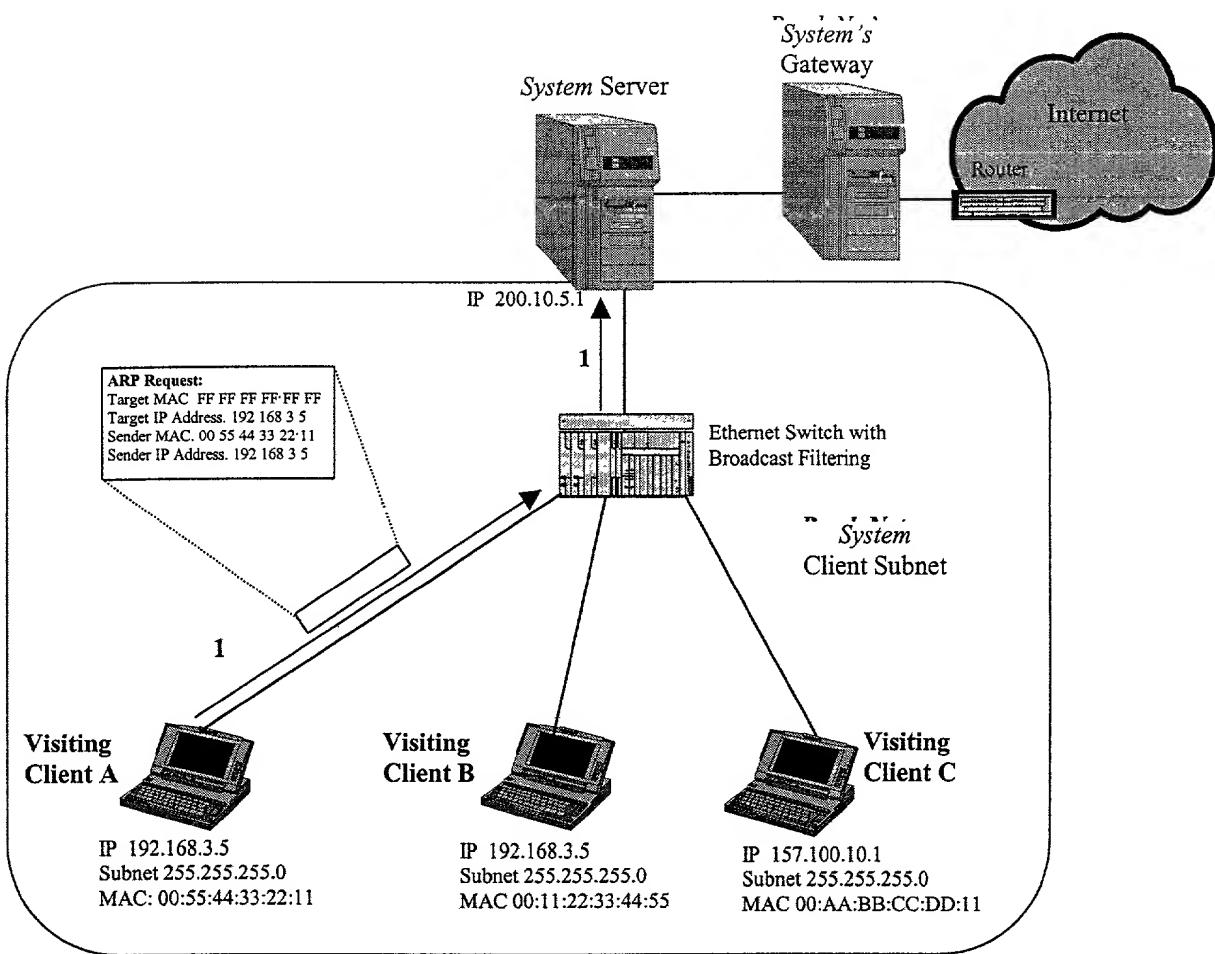


Figure 18

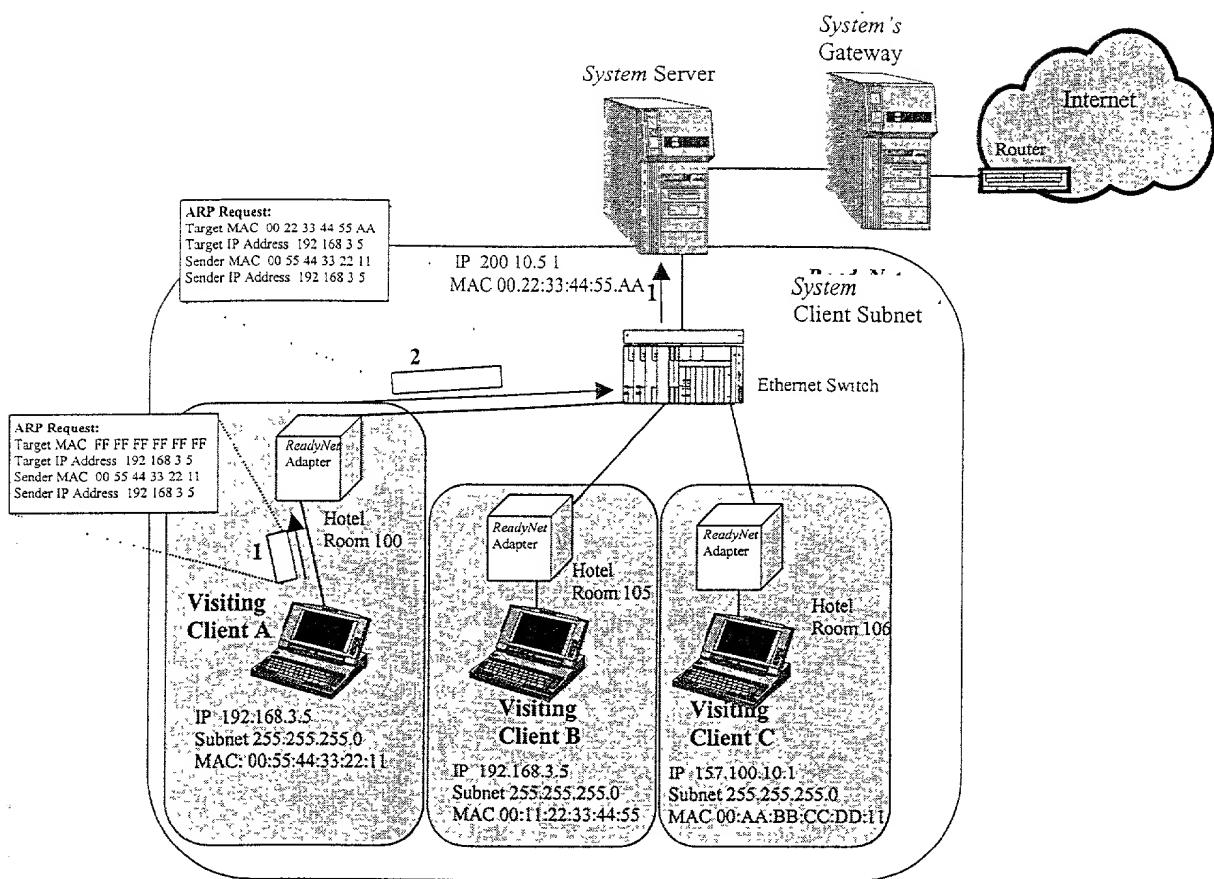


Figure 19

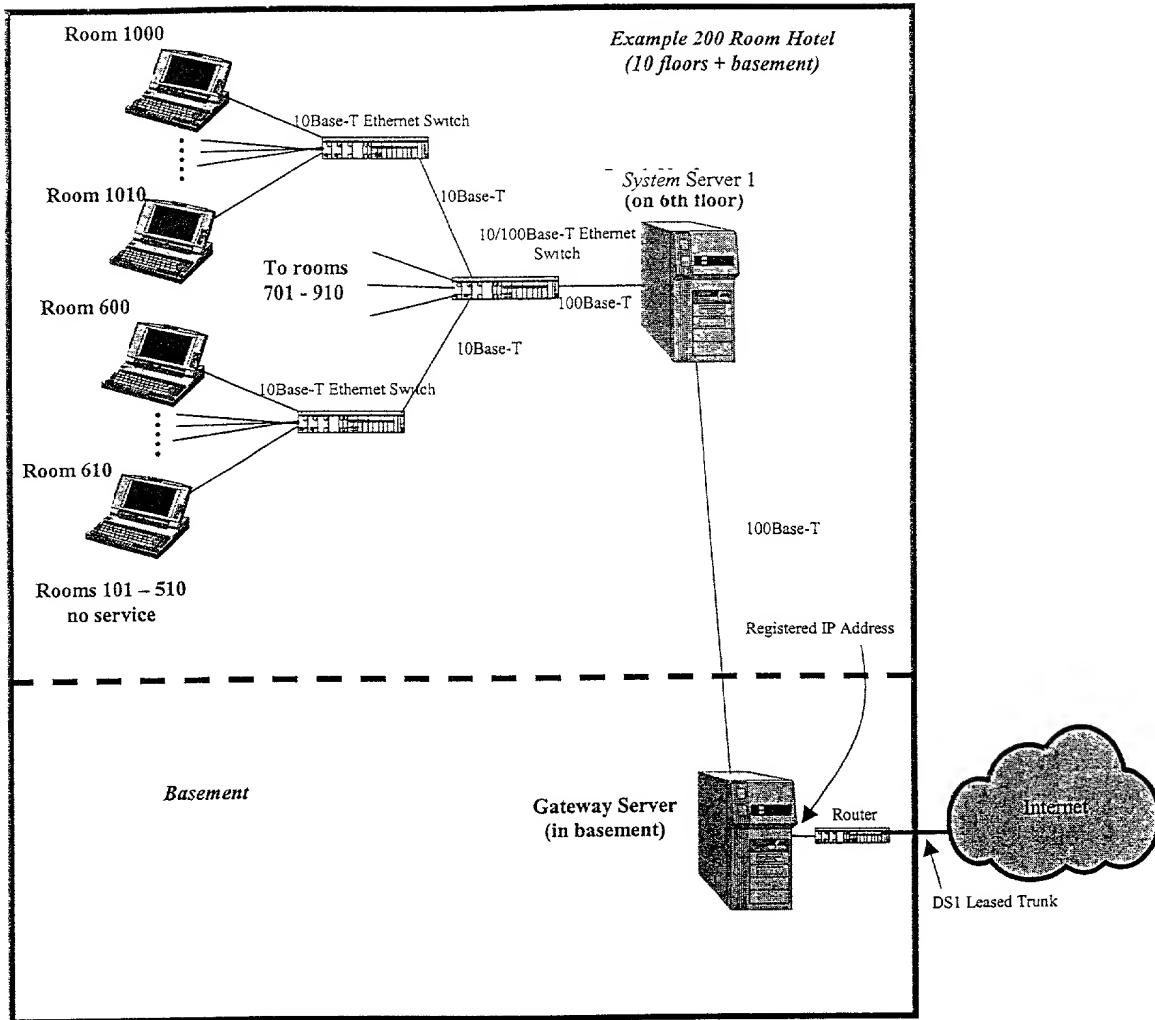


Figure 20

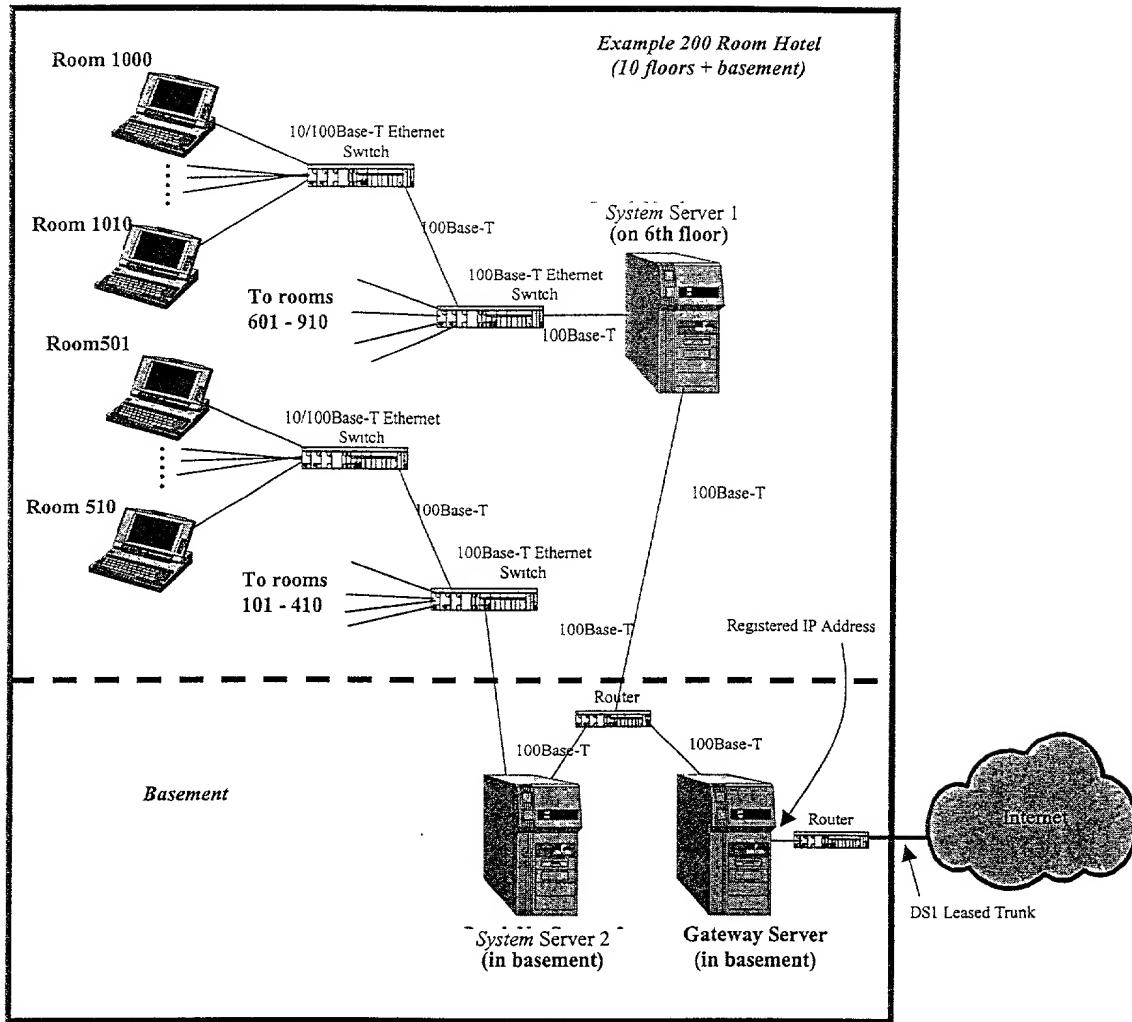


Figure 21

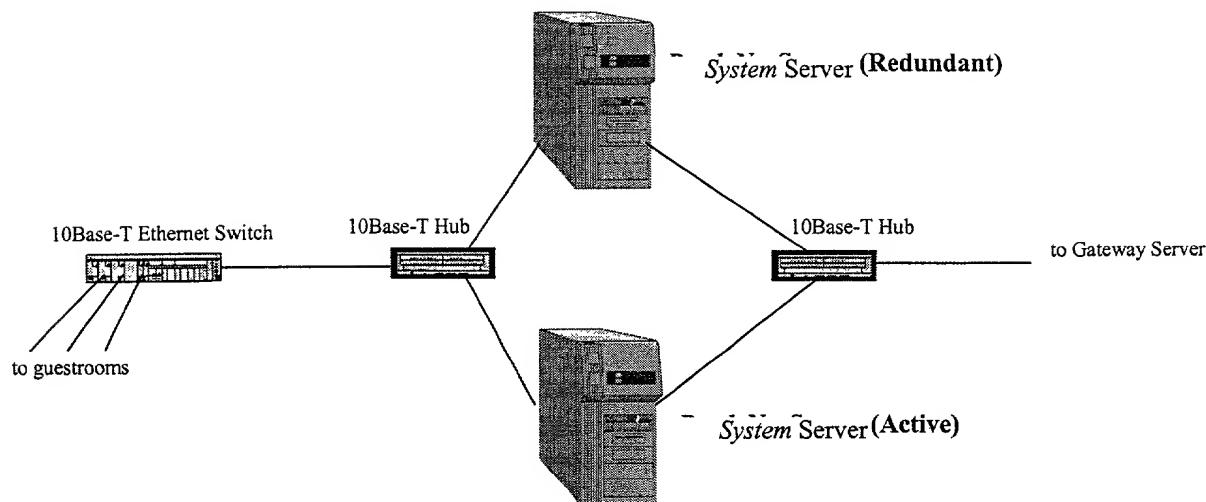


Figure 22

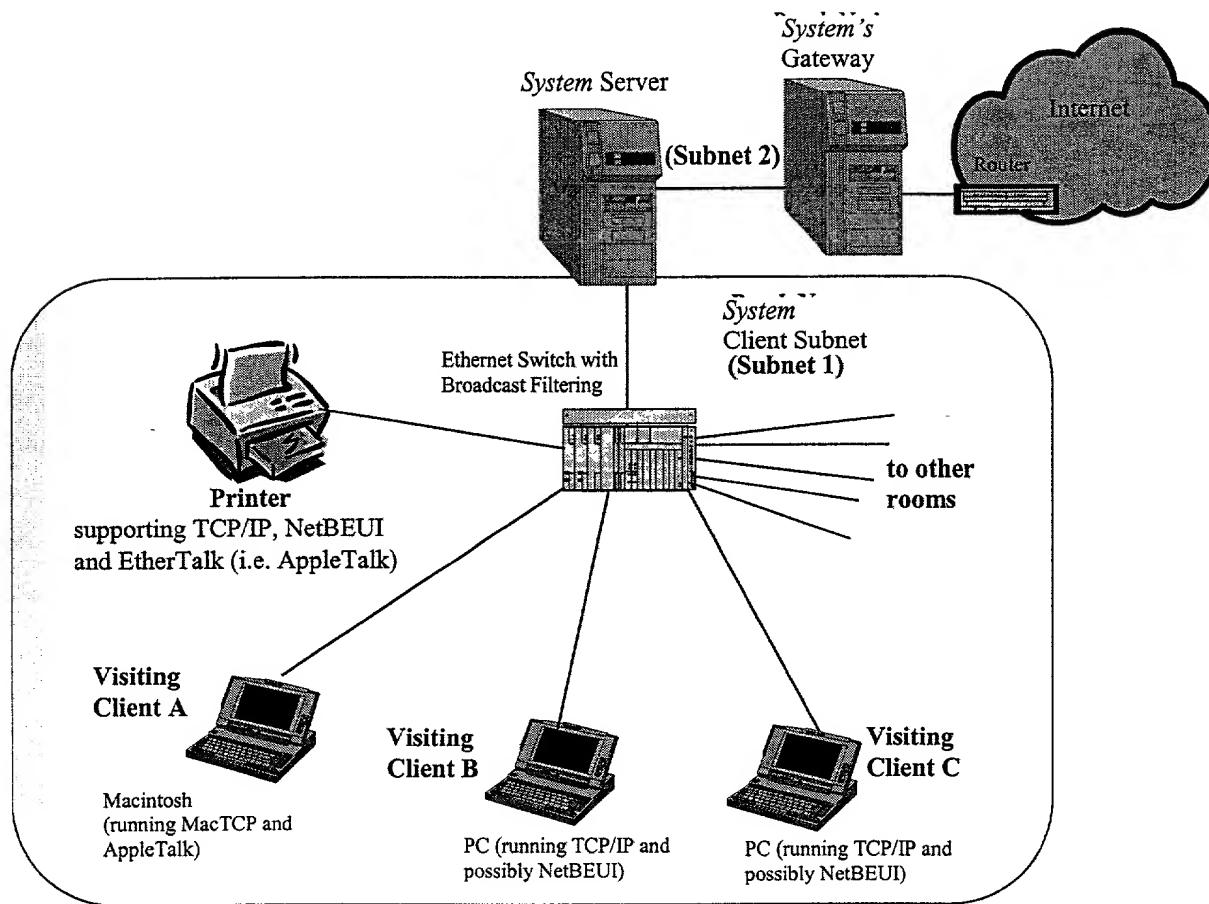


Figure 23

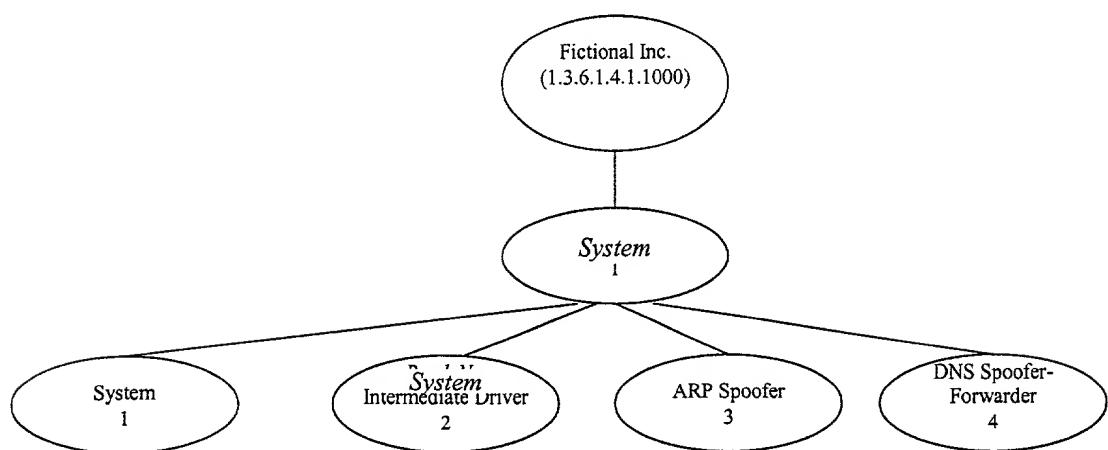


Figure 24

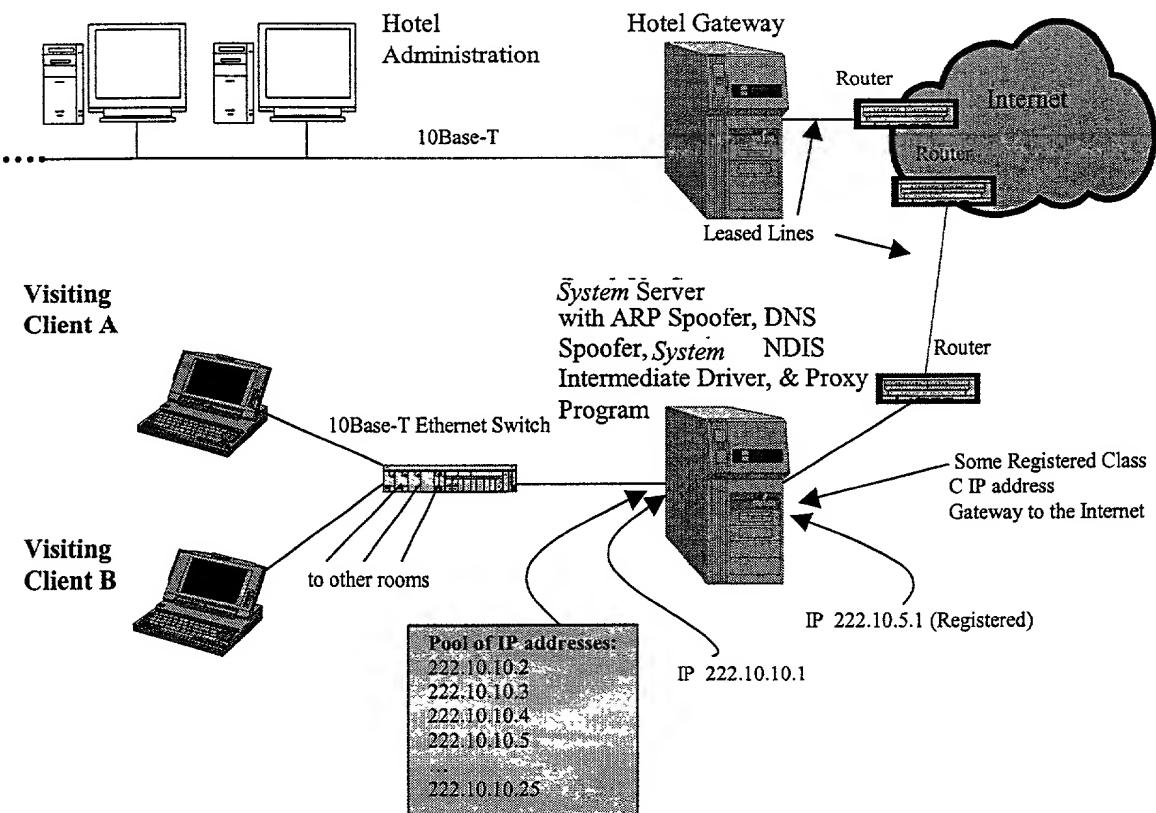


Figure 25

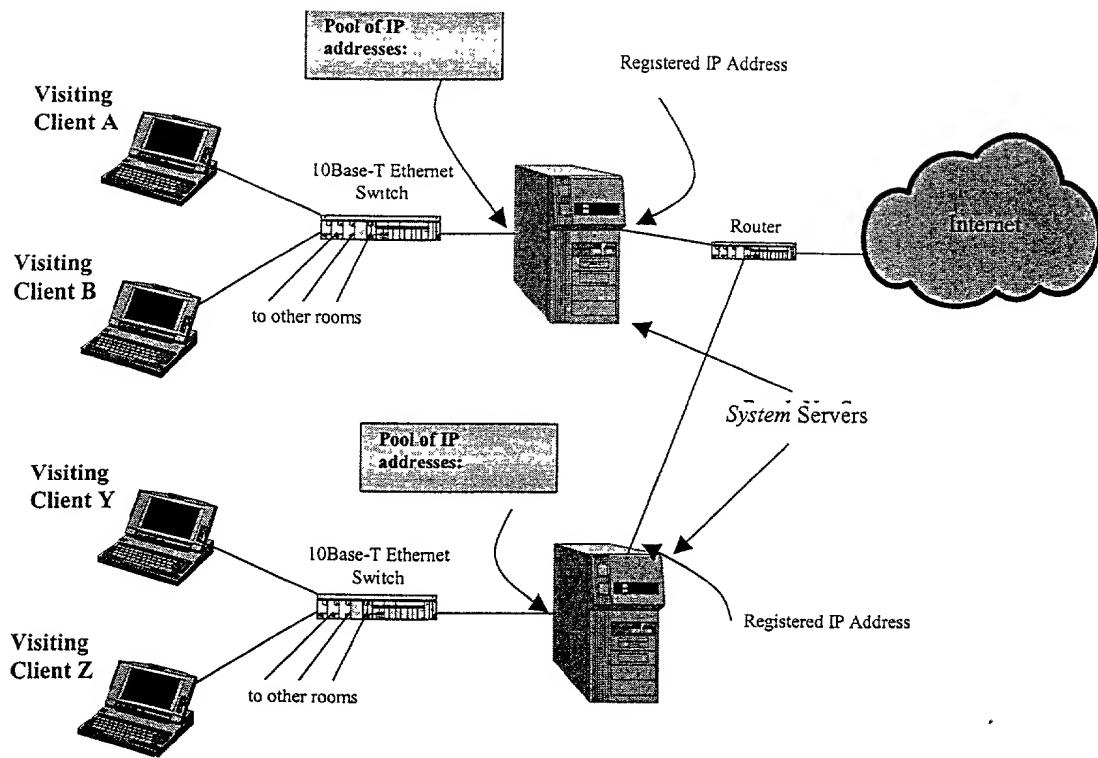


Figure 26

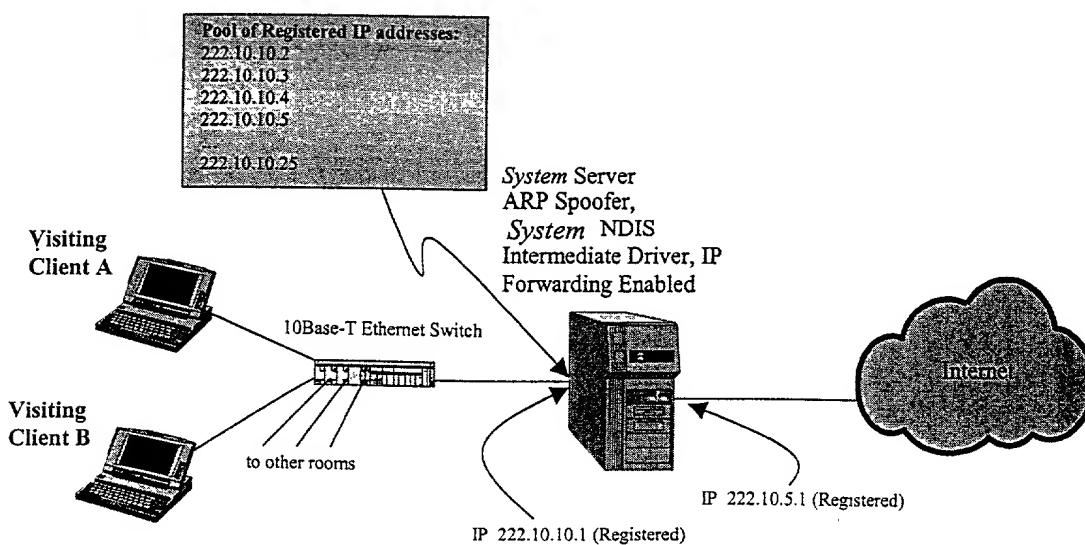


Figure 27

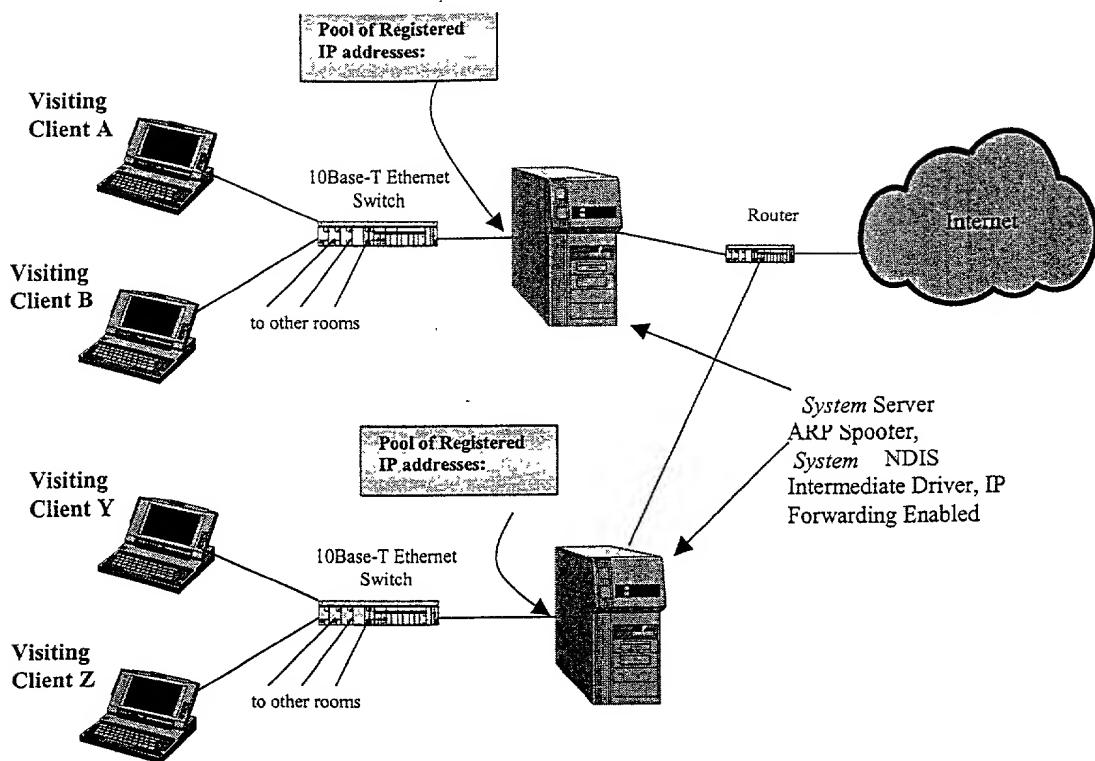


Figure 28

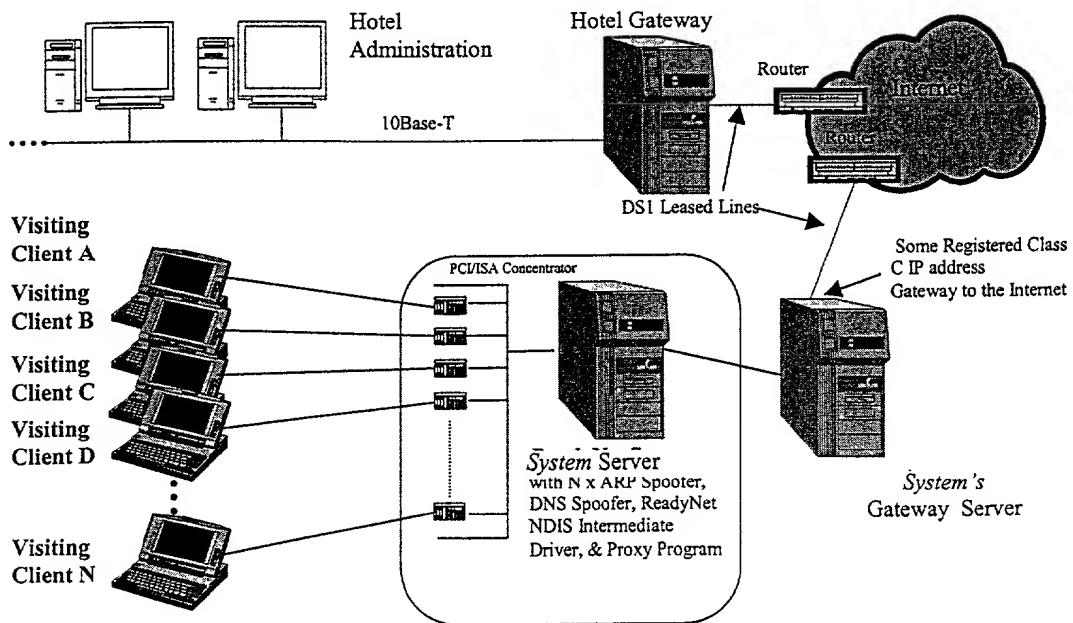


Figure 29

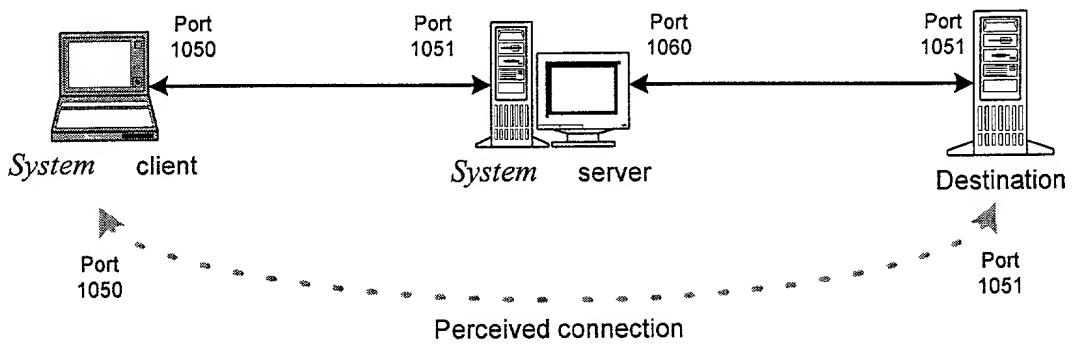


Figure 30

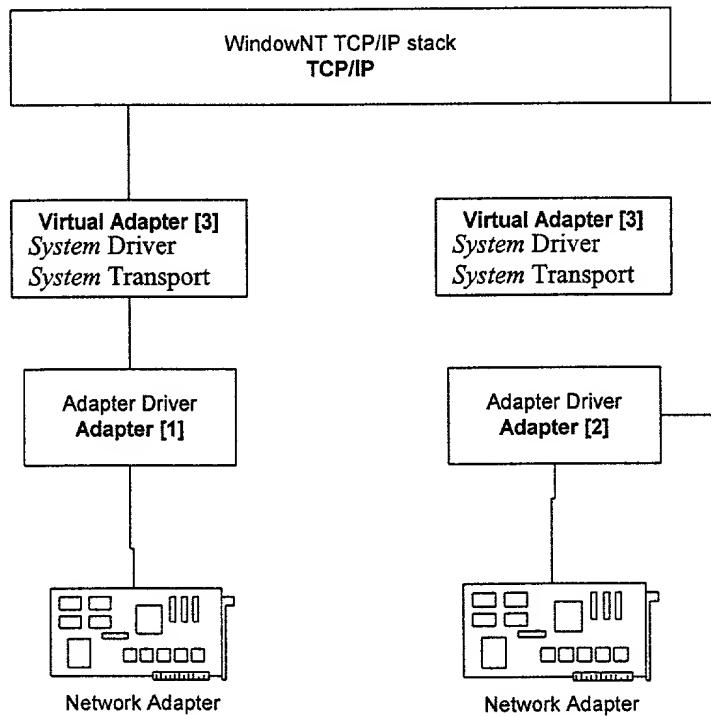


Figure 31